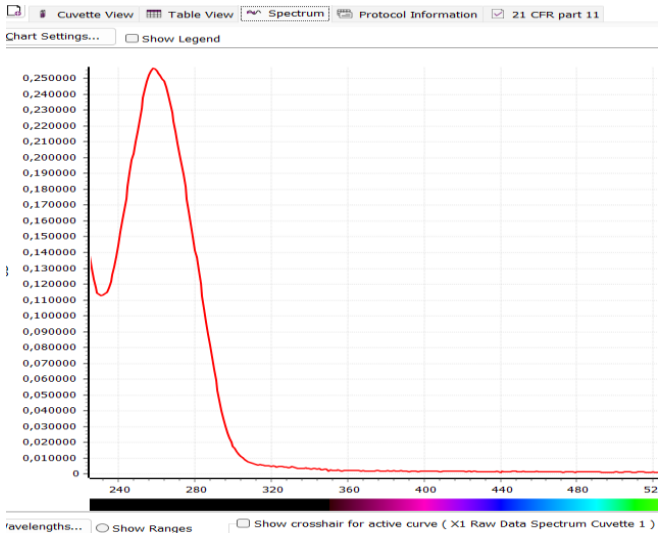
CiS-DNA
Stool/Soil DNA Kit
Handbook

Cat DS0116-10, DS0116-50, DS0116-100

CiS-DNA Stool/Soil DNA Kit is designed for simultaneous isolation of host cell and microorganism DNA without PCR inhibitors, especially humic acid and other organic compounds and residues from human or animal feces samples or from soil samples.

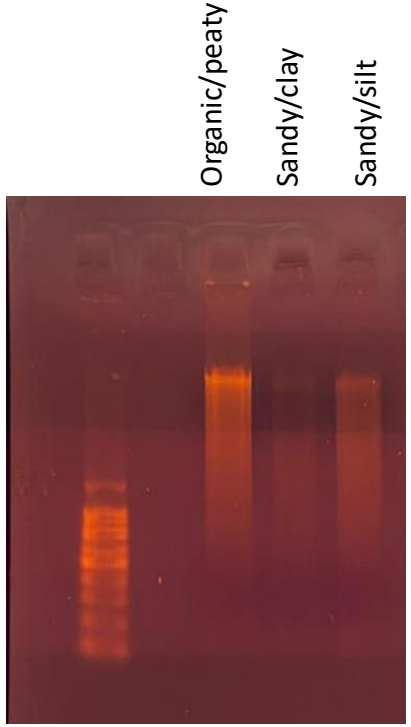
CiS-DNA Stool/Soil DNA kit can extract human DNA from stool samples along with DNA from parasites including *Shigella*, *Helicobacter*, *Clostridium*, *Salmonella*, *E. coli*, *Yersinia*, *Entamoeba*, *Giardia*, *Campilobacter*, *Rotavirus* etc. Our DNA kit is also capable of extracting microorganisms' DNA (bacteria, fungi, algae, protozoa, etc.) from organic, sandy, clay, chalky, silty or loamy soil types.

DNA purified using CiS-DNA Stool/Soil DNA kit protocol is free of humic acid, organic compounds, protein, lipid, and other PCR inhibitors contamination as proteinase digestion and an inhibitor removing special formula «stool lysis and fractionation» buffer were developed in our R&D laboratory. Average DNA yields are 35 µg DNA in 70-90 µl final eluate obtained from 100 mg or 100 µl of stool sample, and 5 µg DNA from 100 mg soil sample.



(Dilution: 1:50)
A_{260}/A_{280}: 1.8-1.85
A_{260}/A_{230}: 1.95-1.99

DNA from different stool donors. Samples were run on agarose gel (0.75%, 0.5 X TBE buffer)



DNA from different soil samples. Samples were run on agarose gel (0.75%, 0.5 X TBE buffer)

Caution: Please pay attention to wearing a lab coat, gloves, and protective goggles.

CiS-DNA spin-columns and buffers can be stored at room temperature for at least one year. However, lyophilized proteinase K should be stored at 4 °C. After reconstitution, please keep the enzyme solution only at 4 °C and avoid to keep longer at room temperature.